Index to Technical News Bulletin

Volume 48, 1964

A

Page

Accelerated programs of crystal research (July) 110
Accuracy of spectral transmittance standards investigated (Apr.) 62
Acoustical thermometer establishes provisional low-temperature scale (Nov.) 189
Actions taken by the Twelfth General Conference on Weights and Measures (Dec.) 207
Air bearings, improve electrodynamic vibrators with (Oct.) 178
Airmail routes for faster delivery, computer selects best (July) 114
Allen, Meinke appointed to head NBS Divisions (Jan.) 9
Amplitude variations, system for recording phase and (Sept.) 170
Analysis of frost phenomena on a cryo-surface (Ninth Cryogenic Engineering Conf.) (Jan.) 15
Antarctica, VLF phase recording in (Sept.) 170
Asphalt durability and blowing time, effect of blowing conditions on (June) 94
Asphalts studied by infrared spectroscopy, photo-oxidation in (June) 88
Associate Director, Silverman appointad (Aug.) 138
Astin receives Rockefeller Award (Jan.) 21
Astin receives Rockefeller Award (Photo) (Feb.) 32
Atomic standard of time, world sets (Dec.) 209
Atomic structure, NBS develops new tool for exploring (Apr.) 64
Atmospheric transmission at infrared frequencies (Sept.) 169
Awards, NBS photos win (Jan.) 11

B

Balances, thermal gradients—effects on (Oct.) 185
Bismuth oxide, polymorphism in (May) 76
Book on measurement of very high pressures, new (Feb.) 33
Book on *p*H authored by NBS chemist (May) 84
Boron hydride, NBS chemists synthesize fluorinated (June) 87
Brady to head National Standard Reference Data Program (Feb.) 39
Breakdown of hydrocarbons during gamma radiation (Nov.) 192

C

Calibration, elastic devices as comparators for large weight (July) 116
Calibration of the platinum resistance thermometer, announcing a new film (Aug.) 142
Calibration of pressure transducers, methods for the dynamic (new publication) (Mar.) 50
Calibration service now available, humidity (Oct.) 183
Calibration and test services (Aug.) 140
Calorimetry, effect of calorimeter heater leads in accurate (Aug.) 125
Candela adopted by Congress as name of unit of luminous intensity (Feb.) 38
Carbon suboxide structure proven linear (Mar.) 48
Cement heat-of-hydration tests, eight methods compared (July) 109
Cement, hydration of iron compounds (Nov.) 200
Cement, X-ray spectrochemical analysis (May) 73
Ceramics used for transducer components (Dec.) 219
Changes in NBS radio broadcasts (Aug.) 142
Changes in NBS radio broadcasts (Sept.) 161
Changes in NBS radio broadcasts (Dec.) 220
Choking two-phase flow, idealized design solutions (Feb.) 40
"Chorus," investigation (Mar.) 55
Circuitry, current-stabilizing (Nov.) 198
Color measurements, filters facilitate (July) 106
Commerce Department technical activities realined (Apr.) 59
Computer predicts living conditions in underground protective structures (June) 92
Computer retired, NBS pioneer digital (July) 112
Computer selects best airmail routes for faster delivery (July) 114
Computer sharing exchange and service center established (May) 81
Concretes, creep and shrinkage of lightweight (Aug.) 134
Conference at NBS Boulder Laboratories, Nonlinear Ionospheric Processes (June) 96
Conference, Ninth Cryogenic Engineering (Jan.) 12
Conference, Plans for 1964 Standards Laboratory (Aug.) 141
Conference on Precision Electromagnetic Measurements, 1964 (Sept.) 161
Conference on Precision Electromagnetic Measurements, new dates for (Feb.) 33
Conference on radio meteorology, 1964 (May) 81
Conference on Weights and Measures, actions taken by the Twelfth General (Dec.) 207
Conjugate point phenomena (Feb.) 31
Controlled thinning of sapphire (July) 118
Copper-base alloy standards, four new sets (July) 119
Corrosion, oxide film influences (Oct.) 175
Council on Radiation Protection and Measurements formed, national (Nov.) 191
Creep and shrinkage of lightweight concretes (Aug.) 134
CRPL—the next ten years (Sept.) 167
Cryogenic engineering (Sept.) 148
Cryogenic Engineering Conference, Ninth (Jan.) 12
Cryogenic fluids, evaluation of data (Ninth Cryogenic Engineering Conf.) (Jan.) 17
Cryogenic insulation, steady-state calorimeter for measuring heat transfer through (Ninth Cryogenic Engineering Conf.) (Jan.) 16
Cryometry, purity determination of dielectric (Mar.) 53
Cryo-surface, analysis of frost phenomena (Ninth Cryogenic Engineering Conf.) (Jan.) 15
Crystal research, accelerated programs (July) 110
Current-stabilizing circuitry (Nov.) 198
Curves, simultaneous fitting of a family (Jan.) 23

D

Data program, Brady to head National Standard Reference (Feb.) 39
Dental cements, improved (May) 82
Dental handpiece presented to Smithsonian, NBS-developed (Feb.) 37
Dictionaries in technical fields, bibliography (Nov.) 203
Documentation Symposium (Feb.) 36
Documentation Symposium, Mechanized (June) 100

E

Earth's history, new look at (Dec.) 213
Effect of blowing conditions on asphalt durability and blowing time (June) 94
Effect of calorimeter heater leads in accurate calorimetry (Aug.) 125
Eight methods compared for cement heat-of-hydration tests (July) 109
Elastic devices as comparators for large weight calibration (July) 116
Electromagnetic fields, Symposium on Natural Ultra-Low Frequency (Feb.) 38
Electromagnetic wave series, fourth book in (Sept.) 172
Electron guns, multistaged low-voltage (Feb.) 27
Evaluation of data for cryogenic fluids (Ninth Cryogenic Engineering Conf.) (Jan.) 17

F

Fano and Mockler receive 1963 Stratton Awards (Jan.) 22
Film—Calibration of the Platinum Resistance Thermometer, announcing new (Aug.) 142
Filters facilitate color measurements (July) 106
First Ultra-Low-Frequency Symposium held at Boulder (Sept.) 168
Five changes in NBS radio broadcasts (June) 100
Fluorinated boron hydride, NBS chemists synthesize (June) 87
Fourth book in electromagnetic wave series (Sept.) 172
Free radicals, infrared studies (Aug.) 128
Frequencies, atmospheric transmission at infrared (Sept.) 169
Frequency offset for 1964 (Jan.) 3
Furnace for platinum-group metal studies, high-temperature (Aug.) 123

G

Gar[illegible]non, Wilson appointed to staff (Feb.) 39
Germanium resistance thermometers (Oct.) 183
Granular content of sulfur mortars (Dec.) 220

H

Handbook of Mathematical Functions published (July) 108
Hearing studies, variable phase shifter aids (Nov.) 196
High-pressure polymorphism studied by x-ray diffraction (Aug.) 132
High-Pressure Technology, guide to technical information (Aug.) 140
High-*Q* microwave cavities (Sept.) 160
High-temperature furnace for platinum-group metal studies (Aug.) 123
Hoffman named Chief of Polymers Division (Aug.) 139
Humidity calibration service now available (Oct.) 183
Hydration of iron compounds in cement (Nov.) 200
Hydrocarbons during gamma radiation, breakdown (Nov.) 192

I

Idealized design solutions for choking two-phase flow (Feb.) 40
Improve electrodynamic vibrators with air bearings (Oct.) 178
Improved dental cements (May) 82
Infrared frequencies, atmospheric transmission (Sept.) 169
Infrared spectroscopy, photo-oxidation in asphalts studied (June) 88
Infrared studies of free radicals (Aug.) 128
Interferometer tests large lenses, new (Oct.) 176
International Committee of Weights and Measures, 1963 meeting (Jan.) 10
International System of Units, NBS adopts (Apr.) 61
Investigation of "chorus" (Mar.) 55
Ionospheric absorption, mapping high-altitude (Sept.) 171
Ionospheric Processes Conference at NBS Boulder Laboratories, nonlinear (June) 96
Iron compounds in cement, hydration (Nov.) 200
Isotope shifts measured with unequaled accuracy, Mercury 2537-Å (May) 74
Isotopic exchange rates of oxygen, nitric oxide, and nitrogen dioxide (Aug.) 137

K

Page

Kinetic studies using a reference standard, shock-tube (June) 101
Klystron damage, photoelectric device prevents (Nov.) 190

L

Laser analysis, spectrometer (Mar.) 46
Lenses, new interferometer tests large (Oct.) 176
Liquid hydrogen, performance of point-level sensors (Ninth Cryogenic Engineering Conf.) (Jan.) 18
Liquid nitrogen and liquid hydrogen discharging into a vacuum, Orifice flow characteristics of (Ninth Cryogenic Engineering Conf.) (Jan.) 13
Low-temperature scale, acoustical thermometer establishes provisional (Nov.) 189
Low temperatures, new book (Sept.) 153
Luminous intensity, Candela adopted by Congress as name of unit (Feb.) 38

M

Magnetic permeability, reversible (Dec.) 216
Mapping high-altitude ionospheric absorption (Sept.) 171
Mathematical Functions published, Handbook (July) 108
Mathematical technique for evaluating optical systems from local properties of wave fronts (June) 93
Measurement of standard cells (Jan.) 4
Measurement systems for space rocketry (Aug.) 131
Mechanized documentation symposium (June) 100
Meinke, Allen appointed to head NBS divisions (Jan.) 9
Meinke heads Office of Standard Reference Materials (Aug.) 138
Mercury 2537-Å line isotope shifts measured with unequaled accuracy (May) 74
Metal studies, high-temperature furnace for platinum-group (Aug.) 123
Microanalysis, spectrochemical standards reevaluated (June) 90
Microcopy resolution test charts, revised (Dec.) 214
Microwave cavities, high-Q (Sept.) 160
Mockler and Fano receive 1963 Stratton Awards (Jan.) 22
Multistaged low-voltage electron guns (Feb.) 27

N

NBS adopts International System of Units (Apr.) 61
NBS chemists synthesize fluorinated boron hydride (June) 87
NBS to develop radar standards (Nov.) 201
NBS-developed dental handpiece presented to Smithsonian (Feb.) 37
NBS develops new tool for exploring atomic structure (Apr.) 64
NBS develops random network models (July) 105
NBS photos win awards (Jan.) 11
NBS pioneer digital computer retired (July) 112
NBS Precision Measurement Seminars for 1964–65 (Aug.) Insert
NBS studies satellite refrigerator systems (June) 87
National Council on Radiation Protection and Measurements formed (Nov.) 191
Natural rubber: compressibility at low pressures (Nov.) 194
Neon, thermodynamic properties of (Ninth Cryogenic Engineering Conf.) (Jan.) 14
New book on low temperatures (Sept.) 153
New dates for Conference on Precision Electromagnetic Measurements (Feb.) 33
New interferometer tests large lenses (Oct.) 176
New international laboratory for radiation measurements (Dec.) 208
New look at Earth's history (Dec.) 213
New NBS installations aid U.S. space programs (Mar.) 45
New publication: Methods for the Dynamic Calibration of Pressure Transducers (Mar.) 50
1963 meeting of the International Committee of Weights and Measures (Jan.) 10
1964 Conference on Precision Electromagnetic Measurements (Sept.) 161
1964 conference on radio meteorology (May) 81
Ninth Cryogenic Engineering Conference (Jan.) 12
Nitric oxide, and nitrogen dioxide, isotopic exchange rates of oxygen and (Aug.) 137
Nitrogen dioxide, isotopic exchange rates of oxygen, nitric oxide, and (Aug.) 137
Nonlinear Ionospheric Processes Conference at NBS Boulder Laboratories (June) 96

O

Optical systems from local properties of wave fronts, mathematical technique for evaluating (June) 93
Orifice flow characteristics of liquid nitrogen and liquid hydrogen discharging into a vacuum (Ninth Cryogenic Engineering Conf.) (Jan.) 13
Oxidation products of degraded plastics identified (May) 83
Oxide film influences corrosion (Oct.) 175
Oxygen, nitric oxide, and nitrogen dioxide, isotopic exchange rates of (Aug.) 137

P

Parahydrogen, physical and thermodynamic properties (Sept.) 152
pD scale being developed (Nov.) 199
Performance of point level sensors in liquid hydrogen (Ninth Cryogenic Engineering Conf.) (Jan.) 18
pH book authored by NBS chemist (May) 84
Phase and amplitude variations, system for recording (Sept.) 170
Phase recording in Antarctica, VLF (Sept.) 170
Phase shifter aids hearing studies, variable (Nov.) 196
Photoelectric device prevents klystron damage (Nov.) 190

Page

Photo-oxidation in asphalts studied by infrared spectroscopy (June) 88
Physical and thermodynamic properties of parahydrogen (Sept.) 152
Plastics identified, oxidation products of degraded (May) 83
Platinum-group metal studies, high-temperature furnace (Aug.) 123
Platinum Resistance Thermometer, announcing a new film—Calibration (Aug.) 142
Point defects in rutile and thoria (Feb.) 29
Polyisobutylene, thermal degradation (Dec.) 212
Polymers Division, Hoffman named Chief (Aug.) 139
Polymers, thermal stability of coordination (May) 78
Polymorphism in bismuth oxide (May) 76
Polymorphism studied by x-ray diffraction, high-pressure (Aug.) 132
Postdoctorals appointed (Oct.) 186
Precision Electromagnetic Measurements, 1964 Conference (Sept.) 161
Precision Measurement Seminars for 1964–65, NBS (Aug.) Insert
President's message (Sept.) 145
Pressure Transducers, Methods for the Dynamic Calibration of—new publication (Mar.) 50
Pressures, new book on measurement of very high (Feb.) 33
Propagation of sferics studied by analysis of lightning waveforms (Aug.) 130
PTGAP Symposium, 1963 (Jan.) 19
Publication briefs:
  U.S. Standard for Signal Light Colors (Nov.) 203
  Bibliography of dictionaries in technical fields (Nov.) 203
Purity determination by dielectric cryometry (Mar.) 53

R

Radar standards, NBS to develop (Nov.) 201
Radiation measurements, new international laboratory (Dec.) 208
Radiation Protection and Measurements formed, National Council on (Nov.) 191
Radiation symposium held in San Francisco, thermal (June) 97
Radio broadcasts, changes in NBS (Aug.) 142
Radio broadcasts, changes in NBS (Sept.) 161
Radio broadcasts, changes in NBS (Dec.) 220
Radio broadcasts, five changes in NBS (June) 100
Radio meteorology, 1964 conference (May) 81
Radio propagation research (Sept.) 162
Radio Science presents symposium papers (Feb.) 41
Radio standards 1954–1964 (Sept.) 154
Radioactivity standards, NBS issues four new (June) 91
Random network models, NBS develops (July) 105
Realined, Commerce Department technical activities (Apr.) 59
Refrigerator systems, NBS studies satellite (June) 87
Research Highlights—1963 (Aug.) 124
Reversible magnetic permeability (Dec.) 216
Rockefeller Award, Astin receives (Jan.) 21
Rockefeller Award, Astin receives (Photo) (Feb.) 32
Rocketry, measurement systems for space (Aug.) 131
Rubber, natural: compressibility at low pressures (Nov.) 194
Rutile and thoria, point defects in (Feb.) 29

S

Sapphire, controlled thinning (July) 118
Satellite refrigerator systems, NBS studies (June) 87
Semiconductor strontium titanate, superconductivity observed (Aug.) 126
Seminars for 1964–65, NBS Precision Measurement (Aug.) Insert
Sferics studied by analysis of lightning waveforms, propagation (Aug.) 130
Shock-tube kinetic studies using a reference standard (June) 101
Shrinkage of lightweight concretes, creep and (Aug.) 134
Signal Light Colors, U.S. Standard for (Nov.) 203
Silverman appointed Associated Director (Aug.) 138
Simultaneous fitting of a family of curves (Jan.) 23
Smithsonian, NBS-developed dental handpiece presented to (Feb.) 37
Solar flare ionization (Dec.) 211
Soviet metrologists end visit (Apr.) 70
Space programs, new NBS installations aid U.S. (Mar.) 45
Space rocketry, measurement systems (Aug.) 131
Spectral transmittance standards investigated, accuracy (Apr.) 62
Spectrochemical analysis of cement, x-ray (May) 73
Spectrochemical standards reevaluated for microanalysis (June) 90
Spectrometer for laser analysis (Mar.) 46
Spectroscopy, photo-oxidation in asphalts studied by infrared (June) 88
Standard cells, measurement (Jan.) 4
Standard materials:
  Four new sets of copper-base alloy standards (July) 119
  NBS issues four new radioactivity standards (June) 91
  Plated coatings, standard thickness samples of (Apr.) 68
  Re-issued standards (July) 120
  Revised microcopy resolution test charts (Dec.) 214
  Spectrochemical standards reevaluated for microanalysis (June) 90
  Standard thickness samples of plated coating (Apr.) 68
Standard Reference Materials, Meinke heads Office of (Aug.) 138
Standards and calibration:
  Announcing a new film—Calibration of the Platinum Resistance Thermometer (Aug.) 142
  Calibration and test services (Aug.) 140
  Frequency standard, precision of the U.S. (Feb.) 31
  Germanium resistance thermometers (Oct.) 183
  Guide to technical information on high-pressure technology (Aug.) 140
  Humidity calibration service now available (Oct.) 183
  NBS thermocouple research (Dec.) 218
  NCSL officers, new (Feb.) 32
  Plans for 1964 Standards Laboratory Conference (Aug.) 141
  Precision Measurement Seminars completed (Apr.) 63
  Precision of the U.S. frequency standard (Feb.) 31
  Ultrasonic thermometer film available on free loan (Apr.) 63

Page

Standards investigated, accuracy of spectral transmittance (Apr.) 62
Standards Laboratory Conference, Plans for 1964 (Aug.) 141
Steady state calorimeter for measuring heat transfer through cryogenic insulation (Ninth Cryogenic Engineering Conf.) (Jan.) 16
Stratton Awards, Fano and Mockler receive 1963 (Jan.) 22
Strontium titanate, superconductivity observed in the semiconductor (Aug.) 126
Structure proven linear, carbon suboxide (Mar.) 48
Sulfur mortars, granular content (Dec.) 220
Superconductivity observed in the semiconductor strontium titanate (Aug.) 126
Symposium, Documentation (Feb.) 36
Symposium held at Boulder, first Ultra-Low-Frequency (Sept.) 168
Symposium to be held in March, Thermal Radiation (Feb.) 37
Symposium held in San Francisco, Thermal Radiation (June) 97
Symposium, Mechanized Documentation (June) 100
Symposium on Natural Ultra-Low Frequency Electromagnetic Fields (Feb.) 38
Symposium Proceedings, Thermal Radiation (Feb.) 44
Symposium, 1963 PTGAP (Jan.) 19
System for recording phase and amplitude variations (Sept.) 170
System of Units, NBS adopts International (Apr.) 61

T

Temperatures, new book on low (Sept.) 153
Ten years of progress (Sept.) 146
Test services, calibration and (Aug.) 140
Thermal degradation of polyisobutylene (Dec.) 212
Thermal gradients—effects on balances (Oct.) 185
Thermal Radiation Symposium to be held in March (Feb.) 37
Thermal Radiation Symposium held in San Francisco (June) 97
Thermal Radiation Symposium Proceedings (Feb.) 44
Thermal stability of coordination polymers (May) 78
Thermocouple research, NBS (Dec.) 218
Thermodynamic properties of neon (Ninth Cryogenic Engineering Conf.) (Jan.) 14
Thermodynamic properties of parahydrogen, physical and (Sept.) 152
Thermometer, announcing a new film—Calibration of the Platinum Resistance (Aug.) 142
Thermometers, germanium resistance (Oct.) 183
Time, world sets atomic standard of (Dec.) 209
Topside sounder in orbit (Oct.) 184
Transducer components, ceramics used (Dec.) 219
Transmission at infrared frequencies, atmospheric (Sept.) 169
Twelfth General Conference on Weights and Measures, actions taken (Dec.) 207

U

Ultra-Low-Frequency Symposium held at Boulder, first (Sept.) 168
Underground protective structures, computer predicts living conditions (June) 92

V

Variable phase shifter aids hearing studies (Nov.) 196
Vibrators, electrodynamic, improve with air bearings (Oct.) 178
Vigilometer (Oct.) 180
Visit, Soviet metrologists end (Apr.) 70
VLF phase recording in Antarctica (Sept.) 170
Voltage standards, zener diodes (Jan.) 1

W

Wait appointed senior research fellow (Feb.) 28
Wave fronts, mathematical technique for evaluating optical systems from local properties (June) 93
Waveforms, propagation of sferics studied by analysis of lightning (Aug.) 130
Weight calibration, elastic devices as comparators for large (July) 116
Weights and Measures, 1963 meeting of the International Committee of (Jan.) 10
Wilson, Gammon appointed to staff (Feb.) 39
World sets atomic standard of time (Dec.) 209

X

X-ray diffraction, high-pressure polymorphism studied by (Aug.) 132
X-ray spectrochemical analysis of cement (May) 73

Z

Zener diodes as voltage standards (Jan.) 1

Publications of the National Bureau of Standards

Periodicals

Technical News Bulletin, Vol. **48**, No. 11, November 1964. 15 cents. Annual subscription: $1.50; 75 cents additional for foreign mailing. Available on a 1-, 2-, or 3-year subscription basis.

CRPL Ionospheric Predictions for February 1965. Three months in advance. Number 23, issued November 1964. 15 cents. Annual subscription: $2.50; 75 cents additional for foreign mailing. Available on a 1, 2-, or 3-year subscription basis.

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Current Issues of the Journal of Research

J. Res. NBS **68A** *(Phys. and Chem.) No. 6 (Nov.–Dec. 1964).*

The 1962 He^3 scale of temperatures. I. New vapor pressure comparisons. S. G. Sydoriak and R. H. Sherman.

The 1962 He^3 scale of temperatures. II. Derivation, S. G. Sydoriak, T. R. Roberts, and R. H. Sherman.

The 1962 He^3 scale of temperatures. III. Evaluation and status. T. R. Roberts, R. H. Sherman, and S. G. Sydoriak.

The 1962 He^3 scale of temperatures. IV. Tables. R. H. Sherman, S. G. Sydoriak, and T. R. Roberts.

Absolute isotopic abundance ratio and the atomic weight of a reference sample of copper. W. R. Sheilds, T. J. Murphy, and E. L. Garner.

Absolute isotopic abundance ratio and the atomic weight of bromine. E. J. Catanzaro, T. J. Murphy, E. L. Garner, and W. R. Sheilds.

Optical properties of thin films on transparent surfaces by ellipsometry; internal reflection for film covered surfaces near the critical angle. E. Passaglia and R. R. Stromberg.

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Heat of combustion and heat of formation of aluminum carbide. R. C. King and G. T. Armstrong.